

Serial Number: 10/005,858

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TECH CENTER 1600 2900

☐

Changed a file from non-ASCII to ASCII

☐

Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐

Edited a format error in the Current Application Data section, specifically:

☐

Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____

☐

Added the mandatory heading and subheadings for "Current Application Data".

☐

Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐

Changed the spelling of a mandatory field (the headings or subheadings), specifically: 1023

☐

Corrected the SEO ID NO when obviously incorrect. The sequence numbers that were edited were:

☐

Inserted or corrected a nucleic number at the end of a nucleic line. SEO ID NO's edited:

☐

Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐

Inserted colons after headings/subheadings. Headings edited included:

☐

Deleted extra, invalid, headings used by an applicant, specifically:

☒

Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____

☐

Inserted mandatory headings, specifically: _____

☐

Corrected an obvious error in the response, specifically: _____

☐

Edited identifiers where upper case is used but lower case is required, or vice versa.

☐

Corrected an error in the Number of Sequences field, specifically: _____

☐

A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐

Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☐

Other: _____

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/005,858

DATE: 12/20/2001

TIME: 21:05:33

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\12202001\J005858.raw

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MAY 08 2002

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4 <110> APPLICANT: Allen, Keith D.
6 <120> TITLE OF INVENTION: TRANSGENIC MICE CONTAINING NTTP1
7 PHOSPHATASE GENE DISRUPTIONS
10 <130> FILE REFERENCE: R-690
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/005,858
C--> 12 <141> CURRENT FILING DATE: 2001-12-04
12 <150> PRIOR APPLICATION NUMBER: US 60/251,802
13 <151> PRIOR FILING DATE: 2000-12-06
15 <160> NUMBER OF SEQ ID NOS: 3
17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 2453
21 <212> TYPE: DNA
22 <213> ORGANISM: Mus musculus
24 <400> SEQUENCE: 1
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26 ttcaggggtc actctcccca ttgccacca cccaccatg gctggggatc ggctcccgag 120
27 gaaggtgatg gacgcaaaga aactggccag cctgctgctg ggcgggacct ggggacctt 180
28 ggtcatcgac agccggctct tcgtggagta taacagctgc cacgtgctga gctctgtgaa 240
29 tatctgctgt tcaaagctgg tgaagcgcg ccttcagcag ggaaaagtga caattgctga 300
30 gcttatccag cctgctacac ggagccaggt ggatgccaca gaaccacagg atgtagtgg 360
31 gtatgaccag agcacacgag atgccagcgt gctggcagca gacagcttcc tgtccatcct 420
32 gctcagcaag ctggacggct gcttcgacag tgtggccatc ctacaggag gcttcgccac 480
33 cttctcctcc tgcctccctg gcctctgtga gggcaagcct gccactctac cgtccatgag 540
34 cctctctcag cctgcctgc ctgtgccag tgttgccctg acccgaatcc tgcctcacct 600
35 ctacctgggc tctcagaag atgtcttgaa caaggatctg atgacccaaa acggaataag 660
36 catgtctcct aatgccagca actcctgccc taaaccggac ttcattctgt agagccgttt 720
37 catgcgtatc cccatcaatg acaactactg tgaaaagctg ctgcctggc tggacaagtc 780
38 catcgagttt attgataaag ccaagctgtc cagctgccaa gtcattgttc actgtctggc 840
39 tggcatctct cgtctgcca ccattgccat cgcgtacatc atgaaaacca tgggcatgtc 900
40 ttctgacgac gcatacaggt ttgtgaagga tcggcgcccc tccatctcgc ccaacttcaa 960
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43 gccccggctg ccaccatcta cctcagagag cgtgccact gggagcgagg cagccaccgc 1140
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45 caccagcgcg ctgcagcagg gcctgcgtgg cctgcacctc tcctctgacc gcctccagga 1260
46 caccaaccgc ctcaagcgtt ccttttcctt ggacatcaag tcggcctatg caccagcag 1320
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55 cggcgggcgg gcggcgggcg gcggcagcag cagcagcaac agcagcagca gcagcagcag 1860
56 cagcagcagc agcagcagca gtagtagtag tagtagtagc ctgcggaggc gggatgtgcg 1920

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```

57 gaccggctgg cccgaggagc ctgctgcaga tgcacagttc aagaggcgca gctgccagat 1980
58 ggagttcgaa gagggcatgg tggagggggcg ggcacgtggc gaggagctgg cagccctggg 2040
59 caagcaaacc agcttctctg gcagcgtgga ggtcatcgaa gtatcgtgac ctttcagaag 2100
60 tccctgtgcc cttgctocag ccaggccagg tataaatata tattatatat aaaacacaca 2160
61 gaaaaggtaa atggttttac tgcaattttt atcaagaagt aaatatttcg attttttatt 2220
62 tatttaagct agtgatctgg caactgtgcy gggcggeect aaagctctgt ttttactgtc 2280
63 tggatattta actgaaacag gtttctaagc aatatgaggc caccttcaat cccaaactgg 2340
64 gttgacaggc ctgggceect cettgceect cccctctgga aacattactg acctttcaaa 2400
65 gagctgcca gctttcctgc actttttaca taagaaaaaa gggggggggg gaa 2453
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68 <211> LENGTH: 200
69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Targeting Vector
75 <400> SEQUENCE: 2
76 tcctgggagc cagctatagc taccagatc ccaccatctg ctgactatc acctttcccc 60
77 caggtctggc accatgcact aggataccca gaacgtgca aggccacgcc ctctcactt 120
78 caggggtcac tctccccatt gccaccacc ccaccatggc tggggatcgg ctcccagga 180
79 aggtgatgga cgcaaagaaa 200
81 <210> SEQ ID NO: 3
82 <211> LENGTH: 200
83 <212> TYPE: DNA
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: Targeting Vector
89 <400> SEQUENCE: 3
90 atccagcctg ctacacgaag ccaggtaact gtggcccacc cttgcatgcy tcttcagggc 60
91 tgaccattcc tgagcaaaca gacctatgtc acctctgaaa gagacagagg agctcccagg 120
92 cctggtgcca agagtctctt gataaggcat tccccctcg ctgtccctcc gttccaaaca 180
93 gggttccttg gggtcagagc 200

```

VERIFICATION SUMMARY

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L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date